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Ilizarov external fixation for management of severe relapsed clubfeet in older children

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Background: Although the standard treatment of clubfoot deformity is conservative by serial casting techniques, relapses are not uncommon. Management of relapsed clubfoot deformity in older children is an orthopedic challenge. There is a growing interest in management of such complex deformities using the Ilizarov technique.

Methods: In this study, the Ilizarov frame was used to correct severe relapsed clubfoot deformities in older children, whom underwent previous surgical interventions. 42 relapsed clubfeet were included. The Dimeglio classification was used for clinical assessment of the relapsed feet pre-operatively as well as post-operatively.

Results: After an average follow-up period of 4.6 years, and according to the Beatson and Pearson numerical assessment, favorable results (excellent or good) were found in 37 feet, while poor results took place in only five feet.

Conclusion: Based on the final clinical and radiographic results, the Ilizarov technique could be considered as a good management alternative for such severe deformities.

Biography

Mohamed ElSayed is working as a Professor at Tanta & Cairo Universities in Egypt. He is a reviewer for 4 international scientific journals, an Editorial Board Member of 3 international journals and published more than 28 international articles in the last 10 years.

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